Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. 1st & Final Bill — Date EE/ELE/Y/BR No 2023

Division: **Electrical (yelahanka)** — Sub-Division: **Electricals** — Dt.....

Bill Received No. SBR No. 63/23-24 Dated — Divisional — Cash Book Voucher No,..... Dated.....

Schedule Docket DATED 05-09-23 — Sub Divisional — **Job Code No :003-23-000021**

Head of Account : P-CODE: P0298 — D.R.No. :

Name of Work:- Providing Electrical points and repiring electrical installations in all Park toilets in yelahanka Zone

Name of Contractor and Full Address: M/s Mathashree Electricals

Reference to Agreement No:- BBMP/EE/ELE/YZ/AGR/000031/2022-23 Date 24/03/2023

Work order No:- EE(Ele)/YZ/W.O/000031/2022-23 Date 24/03/2023

Certified that the measurements were taken by me on 20/7/23 and recorded of Pages 26007 to 26007B measurement Book No. 2601 / 22-23 and that the work is satisfactorily executed.

For Mathasri Electricals

M.M. Gopinath

Contractor Proprietor

Officer-in-charge of work

Certified that the measurement were taken by me on 20/7/23 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	1ST & Final Bill	475276:00
2) Deduct amount to be held in reserve being .....percent Rs.....		
3) " Balance		
4) Deduct Payment:		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... towards cash advance recovery of	ITI-4	4753:00
	LWC 1-1.	4753:00
	SBPO-1-1	475:00
	CUST 1-1.	4076:00
b) Payments Now made cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	SUST 1-1.	4076:00
5) Balance being unpaid value of work done held in reserve.		
6) Deduct cash advance made on the Office cash Book Voucher No. dated.....less adjustments.	Deduction	18133:00
7) Net amount due to or from Contractor	bayetheque	457143:00
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.		
Total amount adjusted -		

For Mathasri Electricals Contractor's Signature

Received Rs..... (in words).....

..... M.M. Gopinath

by cash and by adjustment of Payment as per memorandum Proprietor

(in final settlement of all demands)

Witness For Mathasri Electricals

1.

2. M.M. Gopinath

Dated Signature of Contractor

Paid by me by Cheque Proprietor .....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Stamp

(For use in the Office)

P0298 Mond R to electrics

Rs. 475276:00 Gross amount Agreed

Rs. 457143:00 Net Amount Recommend

Rs. 18133:00 Recovery made

Executive Engineer

Sl. No	Description	Unit
	Name Of Work:- Providing Electrical points and repiring electrical installations in all Park toilets in yelahanka Zone	
1	Open Conduit System Supplying heavy gauge PVC conduit pipe ..... dia ..... mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws **19/20 mm dia 2 mm thick**	m
2	Open Conduit System Supplying heavy gauge PVC conduit pipe ..... dia ..... mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws **32 mm dia 2.5 mm thick**	m
3	Point wiring using Copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5mm2 (Phase & Neutral) & 1x1.0 mm2 (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6A flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. **Short point upto 3m from tapping point to out let via switch**	point
4	Point wiring using Copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5mm2 (Phase & Neutral) & 1x1.0 mm2 (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6A flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. **Medium point above 3m upto 6m from tapping point to out let via switch**	point
5	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to IS 8130-1984 and (Virgin) PVC insulation sheathed suitable for working voltage upto 1100V as per IS- 694 2010. **8C x 1.5 mm2.**	m
6	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to IS 8130-1984 and (Virgin) PVC insulation sheathed suitable for working voltage upto 1100V as per IS- 694 2010. **8C x 2.5 mm2**	m
7	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, junction box, elbows, screws at an interval of 300mm .... etc. as required 20mm	m
8	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, junction box, elbows, screws at an interval of 300mm .... etc. as required 25mm	m
9	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete 8 Way	Each
10	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete 6Way	Each
11	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box 6 Module	Each
12	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box 8 Module	Each
13	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 **6A One Way Switch**	Each
14	Supplying exhaust fan of 1440 RPM of 300 mm (12") size with bracket blades complete for light duty suitable to operate on 230V 50Hz. AC Supply	Each
15	Supplying of .....feet - PVC Batten with integrated LED tube .....W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition LED light fighting 1 x4'- 20/22 w	Each

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate	Amount	Qty	Cost	
		248	60.00	14880.00	248	14880.00	
		78	100.00	7800.00	78	7800.00	
		50	250.00	12500.00	50	12500.00	
		28.00	380.00	10640.00	28	10640.00	
		625.00	150.00	93750.00	625	93750.00	
		247	274.00	67678.00	247	67678.00	
		40	27.00	1080.00	40	1080.00	
		40.00	28.00	1120.00	40	1120.00	
		12	195.00	2340.00	12	2340.00	
		15	149.00	2235.00	15	2235.00	
		15	244.00	3660.00	15	3660.00	
		12	300.00	3600.00	12	3600.00	
		58	80.00	4640.00	58	4640.00	
		15	1500.00	22500.00	15	22500.00	
		60	740.00	44400.00	60	44400.00	

16	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 6-32Amps SP	Each
17	Stringing of 1.1 kV grade Aerial Bunched 3 Core cable of XLPE insulation of size (3x95) (Phase Conductor) + (1x70) (Insulated Messenger Neutral) + (1x16) (Street Light Control	KM
18	Earth work excavation for cable trench of 0.3 to 0.5 Mtr. Width and Depth upto 1 Mtr including trial pits, depositing on bank upto a lead of 50 Mtr, Supplying and Displaying necessary Danger Boards and Lighting, Using sight Rails and Sign Boards at every 100 Mtr wherever necessary as directed In **Ordinary Soil.**	CMT
19	Laying of cable in Existing Trench/GI pipe/Stone Ware/RCC Hume pipe using Wooden/Aluminum Rollers as directed by the departmental staff **LT Cable.2.5 to 25 Sqmm.**	KM
20	Refilling the cable trenches with selected available earth from trench excavation including watering, consolidation in layers of 15 cm. Thickness including depositing of the surplus earth with a lead of 200 Mtr	CMT
21	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598. LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.**LED Streetlight 90 Watts**	No
22	Fabricating supplying and mounting MS box made out ... SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete.**16 SWG**	cm^2
23	Fixing halogen/metal halide /SVL/IL/LED floodlight fitting over existing pole / wall ceiling including clA, bolts, nuts and wiring using suitable capacity wires	Each
24	Supllying of1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part- 1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 **16 Sqmm, 4 Core**, (11 GI Strips - 4 x 0.8 mm)	KM
25	1.1 kV, LT Aerial Bunched Cable, XLPE insulation confirming to IS-14255: 1995 2x16 + 1x25 Sqmm (Insulated Messenger cum Neutral)	KM
	Total Rs	
	GST Charges (18% on SR Electrical items) Item No 01 to 23	
	Total Rs	

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily
2. This Bill amount has not been claimed in any previous bills.

2017

Assistant Executive Engineer (Ele)
BBMP, Bangalore

		12	523.00	6276.00	12	6276.00	
		0.095	25000.00	2375.00	0	2375.00	
		15	260.00	3900.00	15	3900.00	
		0.12	16000.00	1920.00	0	1920.00	
		15	58.00	870.00	15	870.00	
		5	7000.00	35000.00	5	35000.00	
		84300	0.38	32034.00	84300	32034.00	
		4	189.00	756.00	4	756.00	
		0.12	183000.00	21960.00	0	21960.00	
		0.095	102000.00	9690.00	0	9690.00	
				407604.00		**407604.00**	
			375954.00	67671.72		67671.72	
				475275.72		**475275.72**	